

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/11789

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G09B 21/00

US CL : 434/113

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 434/112-117,307R,365; 400/109.1,110,472; 345/163; 704/1; 715/542; 382/114,185; 340/825.19; 283/67

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | US 4,445,871 A (BECKER) 01 May 1984 (01.05.1984), see Figs. 1-23B. | 1-30 |
| A | US 4,650,421 A (ANCZUROWSKI) 17 March 1987 (17.03.1987), see Figs 1-5E. | 1-30 |
| A | US 4,737,108 A (CHEPAITIS) 12 April 1988 (12.04.1988), see Figs. 1-6. | 1-30 |
| A | US 5,050,121 A (VAUGHAN) 17 September 1991 (17.09.1991), see Figs. 1-15H. | 1-30 |
| A | US 5,108,290 A (ERIKSSON) 28 April 1992 (28.04.1992), see Figs. 1 and 2. | 1-30 |
| A | US 5,286,204 A (MINARDI) 15 February 1994 (15.02.1994), see Figs. 1-4. | 1-30 |
| A | US 5,999,895 A (FOREST) 07 December 1999 (07.12.1999), see Figs. 1-67. | 1-30 |



Further documents are listed in the continuation of Box C.



See patent family annex.

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|---|--|
| * Special categories of cited documents: | *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
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| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search

29 June 2003 (29.06.2003)

Date of mailing of the international search report

11 JUL 2003

Name and mailing address of the ISA/US

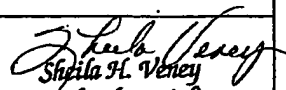
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P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Joe H. Cheng

Telephone No. (703)308-1148


Sheila H. Veney
Paralegal Specialist
Tech. Center 3700

INTERNATIONAL SEARCH REPORT

PCT/US03/11789

Continuation of B. FIELDS SEARCHED Item 3:

East

search terms: font, alphabetic symbols, circular frame, square frame, tactile, spacing, shape, size, display, color, gaps.